

19971125.ba v01\_n794.bam.971125 v01\_n795.bam.971125

>From ???@??? Wed Nov 26 01:22:52 1997  
Message-Id: <199711251454.IAA06911@sco.theporch.com>  
Date: Tue, 25 Nov 1997 08:54:02 CST  
Subject: BOATANCHORS digest 1794

BOATANCHORS Digest 1794

Topics covered in this issue include:

- 1) Re: es lebe der HFS!  
by Ed Tanton <n4xy@bellsouth.net>
- 2) HFS & Post-War VHF  
by Don <71333.144@compuserve.com>
- 3) Re: es lebe der HFS!  
by "A. B. Bonds" <ab@vuse.vanderbilt.edu>
- 4) Re: Viking 2 audio More  
by Bob Roehrig <broehrig@admin.aurora.edu>
- 5) S-38-D FS  
by Bob Reynolds <breynold@sigg.com>
- 6) sources for parts?  
by berg stephen erik <z931086@corn.cso.niu.edu>
- 7) Re: cleaning aluminum  
by Doug Gordon <dmgordon@pacbell.net>
- 8) All This Talk, National  
by "Allan Fritsche" <fritsche@classic.msn.com>
- 9) Re: DSB VS AM  
by mstangelo@worldnet.att.net
- 10) 900A Sidewinder?  
by Larry Keith <KQ4BY@ix.netcom.com>
- 11) Re: Movie question  
by "K2RXY" <K2RXY@worldnet.att.net>
- 12) Re: Fw: The definitive whats-it.  
by Kevin Pease <hamradio@mm1001.theporch.com>
- 13) Fwd Vd of 3B28?  
by Mike Maloney <ac5p@ionet.net>
- 14) Re: removing "aftermarket" nameplates??  
by Morris Odell <morriso@vifp.monash.edu.au>
- 15) Rec Book Contributions  
by n5off@w5ddl.aara.org
- 16) Just gettin' on board !  
by Jon Schmidt <schmidtj@ix.netcom.com>
- 17) 2 pin mike plug source  
by Brian.Harris@sv.sc.philips.com (Brian Harris)
- 18) RE: xformer specs, BA 1791  
by "ROBERT W DOWNS, WA5CAB" <RWDDowns\_WA5CAB@compuserve.com>
- 19) S-38-X -- Regen BFO or no?

- by MNHopkins@aol.com
- 20) Re: S-38-X -- Regen BFO or no?  
by Sandy W5TVW <ebjr@worldnet.att.net>
- 21) Re: S-38-X -- Regen BFO or no?  
by Henry van Cleef <vancleef@netcom.com>
- 22) Relay...  
by Ken Gordon <keng@uidaho.edu>
- 23) 2 HP motors for generators...  
by Ken Gordon <keng@uidaho.edu>
- 24) xformer specs / AU earz  
by marty@aa4rm.radio.org (Marty R's latest)
- 25) Re: 25hz transformer use (long)  
by Ho4bart@aol.com
- 26) RE: 2 pin mike plug source  
by Chris <c\_sieg@conknet.com>
- 27) Re: 217-T - GRC-27  
by "ROBERT W DOWNS, WA5CAB" <RWDowns\_WA5CAB@compuserve.com>
- 28) S-38-X -- Regen BFO or no? -Reply  
by Bob Reynolds <breynold@sigg.com>
- 29) Re: 2 HP motors for generators...  
by mack@mails.imed.com (Ray Mack)
- 30) drid dipper  
by lee1@digital.net (Leon Wiltsey)

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Date: Mon, 24 Nov 1997 15:17:02 -0500  
From: Ed Tanton <n4xy@bellsouth.net>  
To: tomrice@netcom.com  
Cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: es lebe der HFS!  
Message-ID: <3.0.1.32.19971124151702.00a9c100@mail.atl.bellsouth.net>

The original National ads (I have a CQ with one in it) list the HFS as a:  
"Regenerative Superhet Receiver".

73

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Ed Tanton	N4XY	EMAIL: n4xy@bellsouth.net
189 Pioneer Trail		
Marietta, GA	30068-3466	TEL: (770)579-3933 V/MBX/FAX

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"Think you can, think you can't: either way you're right!"      Henry Ford

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Date: Mon, 24 Nov 1997 16:35:17 -0500  
From: Don <71333.144@compuserve.com>

To: boatanchors <boatanchors@theporch.com>  
Subject: HFS & Post-War VHF  
Message-ID: <199711241638\_MC2-2980-59EE@compuserve.com>

Okay, the HFS was not a successful product for National.  
Question: Name two successful commercial VHF products from the era 1946-1955.

Not easy, is it? Remember the age of the gooney birds had not quite arrived at this point... As I read my 1949-53 VHF News magazines, every station has a homebrew rig or a modified SCR-522 set. Pictures show beautiful HF stations sitting next to homebrew & mil surplus VHF rigs. Factory VHF products for ham use just haven't made the scene yet. How many Globe Hi-Banders have you seen? Or Millen 90810 transmitters?

So I don't think the HFS was a failure. The marketplace still considered VHF to be experimental and a poor second cousin to HF. Plus the ham population at that time were some of the best-trained technicians (in the truest sense of the word) in ham radio's history since many of them had trained at Uncle Sam's request!

Actually, it was an exciting time for VHF experimentation and good clean ham fun.

And the real answer to the question? The successful commercial VHF products at that time came from Link, Motorola and GE!

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Date: 24 Nov 1997 16:02:04 -0600  
From: "A. B. Bonds" <ab@vuse.vanderbilt.edu>  
To: boatanchors@sco.theporch.com  
Subject: Re: es lebe der HFS!  
Message-ID: <1997Nov24.160206-0600@spike.vuse.vanderbilt.edu>

In <3.0.1.32.19971124151702.00a9c100@mail.atl.bellsouth.net>, Ed Tanton wrote:  
>The original National ads (I have a CQ with one in it) list the HFS as a:  
>"Regenerative Superhet Receiver".

"Covers 27-250 mc--AM, FM, NBFM, CW services and Amateur 110, 10, 6, 2 and 1 1/4 meter bands. A sensitive, carefully designed VHF superhet receiver. Also functions as converter with receiver tuning to 10.7 mc. Use 6AK5; 9002; 2-6J5; 6SG7; 6SK7; 6V6GT. 5" pm speaker. Uses 5886 or 686S power supply. With tubes, coils, less power supply \$142.00.  
5886 AC power supply \$22.43.  
686S power supply (6 VDC) \$34.16."

Allied Radio catalog 126, 1951. Guess they didn't want to answer the question of what a regenerative superhet might be....

A. B. Bonds

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Date: Mon, 24 Nov 1997 16:26:51 -0600 (CST)  
From: Bob Roehrig <broehrig@admin.aurora.edu>  
To: W6WUH Larry <rau@wco.com>  
Cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Viking 2 audio More  
Message-ID: <Pine.ULT.3.96.971124162043.26877A-100000@admin.aurora.edu>

On Mon, 24 Nov 1997, W6WUH Larry wrote:

> That will give you are starting place for mike amps and speech amps.. my  
> understanding is that small coupling caps restrict highs.. which is what  
> they did in 30's recievers to cut down on static complaints

OOPS! You got that backwards. The smaller the cap, the lower the reactance, thus fewer low frequencies pass. This is true for either coupling or bypassing.

> Some guys run outboard ( graphic) equalizers .. which you can buy at flea  
> markets now adays.. and just slide into whatever sound they want...and if  
> the modulator response is sluggish in some area they just beat it to  
> death...or tone it down as needed.

Yup. There are some guys on 20 meters that are running \$3000 mics and eq's that cost almost that much. For them, graphic eq's are not good enough - they run "parametric" eq's that also have a "Q" control for each frequency.

"No one is listening until you make a mistake"  
E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI  
CIS: Data / Telecom Aurora University, Aurora, IL  
630-844-4898 Fax 630-844-5530

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Date: Mon, 24 Nov 1997 18:13:17 -0600  
From: Bob Reynolds <breynd@sigg.com>  
To: boatanchors@theporch.com  
Subject: S-38-D FS  
Message-ID: <97Nov24.170924cst.19807@firewall.sigg.com>

S-38-D FS, cabinate about 8, one mod in the IF amp to oscillate on CW, not on phone (about 2 minutes work to return to original "non-working" CW). Copy of manual included. \$40 + shipping.

73, Red K5VOL

breynold@sigg.com (near Chicago)

Robert W Reynolds  
835 Surryse Road  
Lake Zurich, ILL 60047

870-438-5380 (evenings)

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Date: Mon, 24 Nov 1997 17:28:40 -0600 (CST)  
From: berg stephen erik <z931086@corn.cso.niu.edu>  
To: boatanchors <boatanchors@theporch.com>  
Subject: sources for parts?  
Message-ID: <Pine.3.89.9711241702.A13170-0100000@corn.cso.niu.edu>

I am looking for some high voltage (3KV) oil capacitors for my boatanchor VHF amplifier project. Does anyone here know if Fair Radio has any of these any more? I need some names and phone numbers to track down these parts.

73,

Steve WA9JML

z931086@corn.cso.niu.edu

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Date: Mon, 24 Nov 1997 16:22:00 -0800  
From: Doug Gordon <dmgordon@pacbell.net>  
To: rau@wco.com  
Cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: cleaning aluminum  
Message-ID: <347A1A28.45EC@pacbell.net>

what i used to restore my little plane years  
> ago...when such thing were possible.  
Hey Larry,

What was yer fly'n'? Draggy tail?? Round motor???

I are and old Luscombe driver..used to fly out of Gness when you mired to the axels during monsoon season.

Sent copies out today..hope they are of some help. I learned a lot about 500C's when your comments forced me to look in cats and old QST's. '59 WRL cat shows Globe Electronics logo with 4 knobs so looks like the GE logo came at least two ways. Then there was the WRL Electronics logo (WRLE)? not the old WRL logo like on the 500B's. Wonder if any 500C's came out with the WRL logo??? Wonder if there were any WRLE 500C's with 6156's?? The mind is a terrible thing to use. More later.

73, Doug  
> larry W6WUH

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Date: Tue, 25 Nov 97 00:33:19 UT  
From: "Allan Fritsche" <fritsche@classic.msn.com>  
To: boatanchors@theporch.com  
Subject: All This Talk, National  
Message-ID: <UPMAIL03.199711250034230183@classic.msn.com>

Hey Gang, all this talk about the NC-300 and 303 has whet my appetite to get one. Would anyone consider a trade for a HQ-170A - VHF, working extremely well , all original except case has been painted by me, pure white S-Meter, Was going to use with the Valiant, but what the heck, Got to have a National Truck..., Sorry thats a song,, Would indeed like an NC-303.

Let me Know  
Al  
fritsche@classic.msn.com  
KD5CML

-----  
Date: Tue, 25 Nov 1997 20:07:11 -0500  
From: mstangelo@worldnet.att.net  
To: "W6WUH Larry" <rau@wco.com>, "boatanchors" <boatanchors@theporch.com>  
Subject: Re: DSB VS AM  
Message-ID: <19971125005345.AAA14068@default>

One advantage that DSB has over SSB is that the carrier may be extracted from the DSB signal by multiplying the signal with itself.

I recall an article in Ham Radio magazine describing this demodulator.

My HR magazines are in storage while I shop for a new house.  
If there is interest, I'll dig it out after I finish moving.

Mike St. Angelo N2MS - Solid State Boatanchor collector  
email: mstangelo@worldnet.att.net

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Date: Mon, 24 Nov 1997 19:47:20 -0500  
From: Larry Keith <KQ4BY@ix.netcom.com>  
To: boatanchors@sco.theporch.com  
Subject: 900A Sidewinder?  
Message-ID: <347A2018.76DA@ix.netcom.com>

Ran across an ad in a 1968 QST, offering a 900A Sidewinder... Can  
anyone tell me:

Who made it?

What is it?

Have you ever seen one? 8=0

tnx & 73,

Larry, KQ4BY

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Date: Mon, 24 Nov 1997 18:08:59 -0700  
From: "K2RXY" <K2RXY@worldnet.att.net>  
To: <broehrig@admin.aurora.edu>, "Old Tube Radios" <boatanchors@theporch.com>  
Subject: Re: Movie question  
Message-ID: <19971125010844.AAA27234@k2rxy>

Didn't notice that, but on PBS's National Geographic show with Alan Alda,  
TWO Hallicrafters BA's made cameo appearances: first an SX-24 (BTW: I'm  
looking for one of these!), and then one of the S-38's (black or dark  
gray).

73 DE K2RXY/7

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> From: Bob Roehrig <broehrig@admin.aurora.edu>  
> To: Old Tube Radios <boatanchors@theporch.com>  
> Subject: Movie question  
> Date: Monday, 24 November 1997 9:48 AM  
>  
>  
> The other night one of the local PBS outlets in Chicago ran two  
> classics back to back: Casablanca, and The Maltese Falcon. I was  
> wondering if anyone knew when the "Falcon" was made. In Sam Spade's  
> office there are several shots showing a table radio in the corner  
> that looks exactly like an RCA I have. Be nice to know about when the  
> radio was made.  
>  
> "No one is listening until you make a mistake"  
> E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI  
> CIS: Data / Telecom Aurora University, Aurora, IL  
> 630-844-4898 Fax 630-844-5530

-----  
Date: Mon, 24 Nov 1997 19:31:24 -0600 (CST)  
From: Kevin Pease <hamradio@mm1001.theporch.com>  
To: W6WUH Larry <wco.com!rau@mm1001.theporch.com>  
Cc: Old Tube Radios <theporch.com!boatanchors@mm1001.theporch.com>  
Subject: Re: Fw: The definitive whats-it.  
Message-ID: <Pine.LNX.3.95.971124193036.8898E-1000000@mm1001.theporch.com>

For Satin Black try 500 degree paint from the auto store or maybe krylon  
chasis black for GM. It is kind of a satin black.

Kevin Pease  
WB0JZG  
Mount Juliet, TN.

-----  
Date: Mon, 24 Nov 1997 20:24:13 -0600 (CST)  
From: Mike Maloney <ac5p@ionet.net>  
To: boatanchors@theporch.com  
Subject: Fwd Vd of 3B28?  
Message-ID: <199711250224.UAA05751@mail.ionet.net>

Has anyone measured or know the forward voltage drop of a 3B28 Hi-vac  
rectifier? This energy I suppose is lost from the HV filter output,  
wasted as heat?



73/Mike      ac5p

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Date: Tue, 25 Nov 1997 13:33:08 +1100  
From: Morris Odell <morriso@vifp.monash.edu.au>  
To: boatanchors@sco.theporch.com  
Subject: Re: removing "aftermarket" nameplates??  
Message-ID: <347A38E4.18D8@vifp.monash.edu.au>

Hi all,

There's been a bit of discussion about desirable "aftermarket" nameplates, cal stickers etc, but what about "UNdesirable" ones?

I have a 'scope that originally belonged to IBM and was quite happy to remove those stickers ;-)

Or ones that said "undergraduate teaching facility" or somesuch that indicated your precious boatanchor was used to bore uninterested non-electrical engineering students taking service courses.

I have a couple of old Tek 'scopes that were imported here from the US that had "Bevatron" stickers on them but they've long since gone.

73 de Morris VK3DOC

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Date: Tue, 25 Nov 1997 02:41:27 UTC  
From: n5off@w5ddl.aara.org  
To: boatanchors@theporch.com  
Subject: Rec Book Contributions  
Message-ID: <131399@w5ddl.aara.org>

I read a few comments about the National HFS not being included in Moore's book. Just a general comment about receiver books . . .

I think these authors do the best they can on their own. To reach the next level of accuracy, they need contributions from the BA community. My recommendation is that if you see a rig omitted, write to the author, volunteer some useable info (pics, specs, etc) and ask that it be included in the next edition.

I've added a few surprises to Osterman's next ed.

Just a thought . .

73 Tom N50FF

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Date: Mon, 24 Nov 1997 18:53:54 -0800  
From: Jon Schmidt <schmidtj@ix.netcom.com>  
To: boatanchors@theporch.com  
Subject: Just gettin' on board !  
Message-ID: <347A3DC2.1F47@ix.netcom.com>

Hello Gang!

I've been sampling the action for the last few weeks and have decided to come on board and join this great group of people, sending in my payment a day or two ago. I look forward to many good times together.

I have recently been given a piece of gov't equipment with the following description. It is an amplifier with model number AM3007/URT, light grey, large cast heatsink on the front, and a heavy cabinet that looks to be extruded. Dimensions are about 9"h x 18"w x 14" deep. The front panel has 6 large retained screws that, when loosened, allow the whole chassis to be pulled out on rails. There is a motor driven turret inside that has many tuned circuits on it that the amp apparently auto-selects. The turret circuits are marked with various frequencies from 2 Mc. to 30 Mc. I would very much like to get this into the hands of someone who needs it, so if anyone has an interest please let me know.

Thanks!

Jon Schmidt WD8JSA  
San Clemente, CA

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Date: Mon, 24 Nov 1997 20:30:53 -0800  
From: Brian.Harris@sv.sc.philips.com (Brian Harris)  
To: boatanchors@theporch.com  
Subject: 2 pin mike plug source  
Message-ID: <0009F509.001914@svlima.sv.sc.philips.com>

Need source for 2 pin mike plugs that fit a Ranger, 5100, etc. MC-80 something?

Tnx,

Brian Harris WA5UEK 'The Cosmophone Collector'  
ARRL Life Member

AMI #746

"Indifference is the Cranberry you thought was a Cherry in the bottom of the Cocktail of Life"

-----  
Date: Sun, 23 Nov 1997 23:33:48 -0500  
From: "ROBERT W DOWNS, WA5CAB" <RWDowns\_WA5CAB@compuserve.com>  
To: "INTERNET:boatanchors@theporch.com" <boatanchors@theporch.com>  
Subject: RE: xformer specs, BA 1791  
Message-ID: <199711232334\_MC2-2967-34C2@compuserve.com>

Phillip

Your transformer is most likely an audio output transformer for a vacuum tube amplifier. The 49252 sounds more like a Navy type number than a UTC=

number, according to the catalogs that I have. The transformer was almos=  
t

certainly not intended for use as a modulation transformer as it would be=

difficult (not impossible - but difficult) to design a practical vacuum  
tube RF amplifier with any of the impedances listed other than 5000 ohms.=  
=

The primary nomenclature (PLATE and B+) is indicative of vacuum tubes and=

not transistors. The secondary impedances given (10, 250, 500, 5000) wer=  
e

fairly common in vacuum tube era Military receivers. They were also comm=  
on

in HiFi amps of the same era, although my recollection is that most of th=  
e

better HiFi amps used push-pull output. It could have been used for a fe=  
w

other things as well, such as driving the pens in a radiosonde receiver o=  
r

FAX recorder, to name two. But, it's most likely an audio output  
transformer.

73, Robert W. Downs, WA5CAB  
RWDowns\_WA5CAB@compuserve.com  
Houston, TX  
  
-----

Date: Tue, 25 Nov 1997 00:18:51 -0500 (EST)  
From: MNHopkins@aol.com  
To: Boatanchors@theporch.com  
Subject: S-38-X -- Regen BFO or no?  
Message-ID: <971125001850\_1248190996@mrin85.mail.aol.com>

I got into a fight for keeping bad company. I was over on QRP-L and fell in to a discussion with a nationally published QRPer on, of all things, the Hallicrafters S-38 series of AC/DC RXs.

He says they all had "real" BFOs at least thru the -D model, and I say only the first one, 38 (no suffix) of 1946, had a conventional BFO and that the rest of them use a regenerative IF to generate the beat note just like the Hallicrafters SX-140, the Hammarlund HQ-100 and the BC-455 Jackatak used to get his first 25 40M mobile states.

The Dachis book does not settle it definatively. On page 42 I read that a first model has a 12SQ7 ANL and BFO and a tube count of six. The rest have 5 tubes and use a 12SK7 "I.F, B.F.O." Chuck refers to these later ones as having "Fixed Frequencey B.F.O.(s)." Turning to a service bulletin for an S-38-B, I learn that one varies a wire to control the (dare I say feedback?) between the grid and the plate to adjust the BFO and that chosing "CW" also loads the grid with a 470 Ohm resistor.

So friends, who is right? Can I tell this fellow to go back to his J-FETS, or must I rethink my relationship with Maj. Armstrong and Frank Jones?

73 de ab5L, michael in dallas, student of Tecraft and International (ICM) ham products and mementoes of Six Meters' Golden Age: 1957-58  
Michael Hopkins  
Box 226841  
Dallas, TX 75222 MNHopkins@AOL.com

-----  
Date: Tue, 25 Nov 1997 05:39:01 +0000  
From: Sandy W5TVW <ebjr@worldnet.att.net>  
To: MNHopkins@aol.com, boatanchors@theporch.com  
Subject: Re: S-38-X -- Regen BFO or no?  
Message-ID: <19971125053859.AAA15584@LOCALNAME>

At 05:18 AM 11/25/97 +0000, you wrote:

>I got into a fight for keeping bad company. I was over on QRP-L and fell in  
>to a discussion with a nationally published QRPer on, of all things, the  
>Hallicrafters S-38 series of AC/DC RXs.

>

Tell your buddy on the other reflector, he better restudy his receivers!  
I had an S-38, and worked on the "A", "B", "C", "D", and "E" models.  
The original S-38 is the ONLY one that had a real BFO! The rest had  
regenerative IF stages! The National SW-54 had the same thing as  
the later S-38's.

I have seen this with MY eyes, not just in the Moore or Dachis books!

73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive

Metairie, LA., 70001

\*\*860 Hartley 'ECO' under construction\*\*\*\*

\*\*\* Looking for a TRC-10 transceiver \*\*\*\*\*

\*\*\* looking for an RAL receiver \*\*\*\*\*

-----  
Date: Mon, 24 Nov 1997 22:59:16 -0700 (MST)

From: Henry van Cleef <vancleef@netcom.com>

To: MNHopkins@aol.com

Cc: boatanchors@theporch.com

Subject: Re: S-38-X -- Regen BFO or no?

Message-ID: <199711250559.VAA11755@netcom2.netcom.com>

The original S-38 had a genuine BFO oscillator (12SQ7) and was made  
1946-48. I have a 1948 six-tube, which is an S-38, no suffix letter.  
A lot of the wiring does not match the published schematics. The  
power supply and local oscillator wiring is S-38A, and they had  
eliminated the pad for band B and the speaker P/J connector; also,  
the BFO wiring does not match the schematic. However, it came with  
name tags intact, so there is no questioning the model number.

S-38A and subsequent all were 5 tube jobs, with regenerative IF for  
BFO. Readily distinguishable because they have no slide switch for  
noise limiter and no BFO coil with tuning knob.

All of the S-38 family are unusual in that Hallicrafters actually  
designed in, bought, and paid for, a shunt resistor in the 35Z5 plate  
circuit as recommended by RCA. Also, to get the 12SA7 to oscillate  
below 20M (higher frequency), there is a kicker winding on the  
oscillator coil that is connected to the 12SA7 screen grid. Probably  
one of the classiest AA5's ever built.

--

=====  
Hank van Cleef  
=====

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Date: Mon, 24 Nov 1997 22:26:02 -0800 (PST)  
From: Ken Gordon <keng@uidaho.edu>  
To: boatanchors@sco.theporch.com  
Subject: Relay...  
Message-ID: <Pine.BSF.3.95.971124221953.17770A-100000@piobaire.mines.uidaho.edu>

Bob Rolfness, W7VZX, just gave me a really neat little SPDT relay. Made my KURMAN Electric Co., Inc. of Long Island City, N.Y. It has adjustable contacts. Anyone have any details on this thing? I.e. voltage, keying speed, contact current capability, etc.

It is mounted on a brown phenolic base.

I suppose it would be easy enough to figure out, but the history might be interesting.

Ken W7EKB

-----  
  
Date: Mon, 24 Nov 1997 23:04:24 -0800 (PST)  
From: Ken Gordon <keng@uidaho.edu>  
To: boatanchors@sco.theporch.com  
Cc: glowbugs@www.atl.org  
Subject: 2 HP motors for generators...  
Message-ID: <Pine.BSF.3.95.971124224823.18022A-100000@piobaire.mines.uidaho.edu>

I've forgotten who wanted to know this, so I am posting this info to the list.

I had said that a catalog I had listed 2 HP 110 VAC single phase motors for \$30. I was wrong. My memory failed again.

These motors cost \$69.95. Original cost is \$287. What these are are pool pump motors. They are rated for 115/230 VAC single phase, 22/11 amps, 3450 RPM, 1.0 service factor, class B insulated, thermally protected, shaft 1/2" diam x 1 1/2" long, 56Z frame, original PN C48N2A1A1, MECI part number 420-0370.

The outfit that is selling them is:

MECI (Mendelson Electronics Co. Inc.)

Order telephone number is:

1-800-344-4465

FAX: 1-800-344-6324

e-mail: [meci@meci.com](mailto:meci@meci.com)

URL: <http://www.meci.com>

Catalog number 102

Page 34

They have 1.5 hp motors for \$59.95

Ken W7EKB

-----  
Date: Tue, 25 Nov 1997 06:45:26 -0500  
From: [marty@aa4rm.radio.org](mailto:marty@aa4rm.radio.org) (Marty R's latest)  
To: [dgnova@erols.com](mailto:dgnova@erols.com)  
Cc: [Boatanchors@theporch.com](mailto:Boatanchors@theporch.com)  
Subject: xformer specs / AU earz  
Message-ID: <199711251145.GAA12997@aa4rm>

Deah Phillip:

Well I agree wholeheartedly with Bob Roerig on the P-B+-P/5000-500-16...  
UTC 49xyz xfrmr being a 'big output' with some amp mfg's pn stamped in place.

Don't give up on spec.s, apply some teensy physics.

You can get P-P impedance by putting 6vac across 500 ohms & measuring  
P-P pri. volts. If, say, 12VAC then sec'y is 2k ohms (sq. of 2:1 turns  
ratio X sec'y imp.)

LF roll-off obtained with sig gen seriesed with whole pri and some  
resistor - In this example, 2k ohms. When volts across res. same as  
xfrmr, you're at 3db down pt. Mebbe 50 hz if a PA design.

HF roll-off works same way. Half voltage is 3db pt. & now due to  
capacitive reactance (LF roll-off caused by inductive reactance.)

Now this's awfully simple, doesn't consider DC in wdg.s, phase  
shit, etc - but it gets you 90% of the way.

Of course the next 1% is science & the remaining 9% is 'golden ear.'

But who needs these anyway - look at those TD1325 50W .003% THD +/-25V  
\$5 chips in this month's Nuts & Voltaz!!

Oh yezzzzz, golden ears\* again.

Marty

\*say a ex-Bell-L MTS thinx there may be something to the "psycho-acoustix."  
Tubes clip more slowly than SS & may cause perceivable differences.

The lads that say tubes have "soft 2nd order distortion," compared with  
"harsh 3rd order ss" are full of shift & could never do Fourier  
transforms. All push-pull have the same math, all single-ended amps have  
the(ir own) same math.

-----  
Date: Tue, 25 Nov 1997 07:15:06 -0500 (EST)  
From: Ho4bart@aol.com  
To: morriso@vifp.monash.edu.au, boatanchors@theporch.com  
Subject: Re: 25hz transformer use (long)  
Message-ID: <971125071506\_307560579@mrin47>

In a message dated 97-10-30 20:36:03 EST, morriso@vifp.monash.edu.au writes:

> OTOH, I've always had a bit of trouble understanding how audio  
> transformer impedances are defined. You'd think they would work OK at  
> other impedance levels but they don't seem to like it.  
>

wouldn't they be happy as long as the impedances connected were  
in the same ratio as the xfmr, within reason -- not going to very low  
impedances where winding current is higher?

btw, anyone comment on use of 60 cp/s power xfmr for audio use?  
i know it's a standard kink to use a lowvoltage xfmr to match the  
typical 600Z of military recs to low Z ( 3.2, 4, 8 ) speakers. this is done  
without really worrying abt hi fi response, but what could one expect?

on the same topic, it occurred to me to use for a crystal radio, to match  
the common low z headphones, to use a 60 cp/s power xfmr, with the



600 volt winding to the crystal radio, and the 5-volt rectifier winding to the headphones. this would be to 1) let builder use common low z headphones ( sensitive enuff ? at least they block out outside noise well ) and 2) let the detector diode operate into a hi z, thus not loading the tuned circuit as much and also dropping less precious millivolts across the diode. ( at threshhold of hearing signal, circa 50 mv, the diode may have 20k ohms resistance ) ( figures subject to correction. )

hue miller

-----  
Date: Tue, 25 Nov 97 07:17:20  
From: Chris <c\_sieg@conknet.com>  
To: Brian.Harris@sv.sc.philips.com, boatanchors@theporch.com,  
c\_sieg@conknet.com  
Subject: RE: 2 pin mike plug source  
Message-ID: <Chameleon.880460555.c\_sieg@mecs.conknet.com>

Hi Folks,

I have a limited number of the 11 pin power plugs & sockets available. These are the 11 pin 'octal' style connectors used on Heath and Collins equipment. The plug, male, has no boot and is \$2.50. The socket is a 2 piece job that includes a screw on boot and is \$10. Both are new stock, shipping is extra. I have just recently found a source for the 2 pin mic connectors used on most of the Heath rigs, part number MC-80. These are new and the price is \$8.00 Also, if any one needs twin-ax connectors, the antenna connector for a R-390A, I have some new ones for \$3.75. Shipping in the US is \$2.00 for the first connector then \$.50 for each additional one.

Thanks & 73  
-Chris

-----  
Name: Chris WA3LDI  
E-mail: Chris <c\_sieg@conknet.com>  
URL <http://www.conknet.com/piexx>  
Date: 11/25/97  
Time: 7:17:20 AM  
-----

-----  
Date: Tue, 25 Nov 1997 09:02:31 -0500  
From: "ROBERT W DOWNS, WA5CAB" <RWDowns\_WA5CAB@compuserve.com>  
To: "INTERNET:boatanchors@theporch.com" <boatanchors@theporch.com>  
Subject: Re: 217-T - GRC-27  
Message-ID: <199711250902\_MC2-2997-DB43@compuserve.com>

Ken Warren wrote:

> I'm a little hazy on the set numbers here so someone else help me if I'm

wrong.

> The T-217 was the main transmitter box with the AN/GRC-27 and it had an

output

> of 100 watts or so. There was another unit that was used with the AN/GRC-32

> packaged version of the 27 which was a target transmitter T-216 (I think)

It was my understanding that the AN/GRC-32 was the ground version of the AN/ARC-27, not the AN/GRC-27. Both were UHF (225-400 MC AM) sets, but the

AN/GRC-27 is a huge four-drawer rack mount set with a 208/440 3-phase supply in the bottom drawer. We had one on USS VALLEY FORGE (LPH-8). The

AN/ARC-27 is an aircraft set originally built, I think, for the F-86 program. I have two PP-984/GRC-32B power supplies (surplus to my needs, BTW) which are 115 VAC in/28VDC out units. Don't know about the T-216. =

I only have the operator's manual for the GRC-27 and my ARC-27/ARC-55 manuals

are somewhere in the attic.

73, Robert W. Downs, WA5CAB  
RWDowns\_WA5CAB@compuserve.com  
Houston, TX

-----  
Date: Tue, 25 Nov 1997 09:28:47 -0600  
From: Bob Reynolds <breynold@sigg.com>  
To: MNHopkins@AOL.COM, boatanchors@theporch.com  
Subject: S-38-X -- Regen BFO or no? -Reply  
Message-ID: <97Nov25.082445cst.19817@firewall.sigg.com>

> a discussion with a nationally published QRPer on, of all

>things, the Hallicrafters S-38 series of AC/DC RXs.

I wonder if this "nationally published QRPer" is the same one that said (in QST no less) that the HQ110 was a "general coverage" receiver ?

73, Red, K5VOL.

-----  
Date: Tue, 25 Nov 1997 08:32:55 -0600  
From: mack@mails.imed.com (Ray Mack)  
To: boatanchors@sco.theporch.com, Ken Gordon <keng@uidaho.edu>  
Cc: glowbugs@www.atl.org  
Subject: Re: 2 HP motors for generators...  
Message-ID: <00055032@mails.imed.com>

Ken:

I got sick last week and just got back to work this morning.  
The article is in today's mail.

Ray

----- Reply Separator -----  
Subject: 2 HP motors for generators...  
Author: Ken Gordon <keng@uidaho.edu> at mails  
Date: 11/24/97 11:04 PM

I've forgotten who wanted to know this, so I am posting this info to the list.

I had said that a catalog I had listed 2 HP 110 VAC single phase motors for \$30. I was wrong. My memory failed again.

These motors cost \$69.95. Original cost is \$287. What these are are pool pump motors. They are rated for 115/230 VAC single phase, 22/11 amps, 3450 RPM, 1.0 service factor, class B insulated, thermally protected, shaft 1/2" diam x 1 1/2" long, 56Z frame, original PN C48N2A1A1, MECI part number 420-0370.

The outfit that is selling them is:

MECI (Mendelson Electronics Co. Inc.)

Order telephone number is:

1-800-344-4465

FAX: 1-800-344-6324

e-mail: meci@meci.com

URL: <http://www.meci.com>

Catalog number 102

Page 34

They have 1.5 hp motors for \$59.95

Ken W7EKB

-----  
Date: Tue, 25 Nov 1997 09:52:14 -0500 (EST)  
From: lee1@digital.net (Leon Wiltsey)  
To: BOATANCHORS@theporch.com  
Subject: drid dipper  
Message-ID: <199711251452.JAA11200@ddi.digital.net>

Hi Guys glad to be back.  
Anybody got a grid dipper they want to part with?  
I will pay cash or have an old scope to trade.  
Am trying to check freq of some home brew coils.

Thank the good LORD for all that you have!!!

67yr old semi disabled senior            trying to get code speed to 13wpm  
(stroke got my eyesight, balance & coordination) SO ONLY BA'S NO SOLID STATE

Leon (lee) Wiltsey    4600 Lake Haven blvd    Sebring fl. 33872    KF4RCL TECK+

-----  
End of BOATANCHORS Digest 1794  
\*\*\*\*\*

>From ???@??? Wed Nov 26 01:23:49 1997  
Message-Id: <199711252345.RAA20973@sco.theporch.com>  
Date: Tue, 25 Nov 1997 17:45:47 CST  
Subject: BOATANCHORS digest 1795

BOATANCHORS Digest 1795

Topics covered in this issue include:

- 1) GRC-27A  
by "Paul Bernhard" <W2TU@classic.msn.com>
- 2) Many Apologies  
by mack@mails.imed.com (Ray Mack)
- 3) Crystals for AM operation  
by John Russo <jprusso@acsu.buffalo.edu>
- 4) Re: GRC-27A  
by "Joseph W. Pinner" <kc5ijd@sprintmail.com>
- 5) Re: Crystals for AM operation  
by Ken Gordon <keng@uidaho.edu>
- 6) SB200 'Lytic source?  
by Laird Tom N <LairdTomN@JDCORP.deere.com>
- 7) BLILEY MC7, AX2  
by "ROBERT W DOWNS, WA5CAB" <RWDowns\_WA5CAB@compuserve.com>
- 8) 390A Limiter Mod?  
by n5off@w5ddl.aara.org
- 9) Rick Mish Street Address?  
by n5off@w5ddl.aara.org
- 10) WANTED: RME 4350 manual or copy  
by "Chuck O'Neal" <coneal@ultranet.com>
- 11) Modifying the R-390A for SSB  
by Mike Maloney <ac5p@ionet.net>
- 12) RE: CW Crystals  
by BRICKEY\_PETER@Tandem.COM
- 13) Re: Just gettin' on board/AM-3007/URT BA1794  
by "ROBERT W DOWNS, WA5CAB" <RWDowns\_WA5CAB@compuserve.com>
- 14) FS: Vibroplex Book  
by Stanley Wilson <microres@crl.com>
- 15) Re: GRC-27A  
by William Donzelli <william@ans.net>
- 16) RE: SB200 'Lytic source?  
by "Roecker, Greg" <greg.roecker@lmco.com>
- 17) Re: 217-T - GRC-27  
by Ken\_Warren@beavton.k12.or.us (Ken Warren)
- 18) RE: Winter Projects FS  
by TIMOTHY.P.HAAKE@monsanto.com
- 19) FW: SB200 'Lytic source?  
by "Roecker, Greg" <greg.roecker@lmco.com>
- 20) Military Mikes

- by avidov@juno.com (avi aben)
- 21) PACO R/C meter  
by laffitte@prtc.net (laffitte)
  - 22) Re: PACO R/C meter  
by laffitte@prtc.net (laffitte)
  - 23) Ol' rotor parts  
by rcmorris@mars.ark.com (ray)
  - 24) Re: GRC-27A  
by Spencer Petri <spetri@e-tex.com>
  - 25) HQ170A-VHF/FS  
by laffitte@prtc.net (laffitte)
  - 26) FS: CE-10B SSB Exciter  
by arc5@ix.netcom.com
  - 27) Johnson Transmitter parts  
by "Grant Youngman" <nq5t@gte.net>
  - 28) Speech processor for a Collins 32S3A  
by howellh@winthrop.edu
  - 29) 6C10 compactron  
by nicola priano <nipriano@mbox.vol.it>
  - 30) Motorola ET-58-A module cheap/free  
by Sheldon Wheaton <swheaton@sky.net>
  - 31) What's a Collins KWT-6 & CV-731/URC?  
by Sheldon Wheaton <swheaton@sky.net>
  - 32) Sidewinders remembered  
by MNHopkins@aol.com
  - 33) Re: Viking 2 audio More  
by "W6WUH Larry" <rau@wco.com>
  - 34) Re: Speech processor for a Collins 32S3A  
by "David L. Thompson" <thompson@mindspring.com>
  - 35) crystal cal  
by bdhall@ghg.net (Benjamin D. Hall)

-----  
Date: Tue, 25 Nov 97 14:54:05 UT  
From: "Paul Bernhard" <W2TU@classic.msn.com>  
To: boatanchors@theporch.com  
Subject: GRC-27A  
Message-ID: <UPMAIL18.199711251454300315@classic.msn.com>

Read with interest the postings on the GRC-27A. I have a rack with the unit here in Radio Central in the USS Sullivans (Naval Park, Buffalo, NY). The rack is about five feet high and contains Collins R-278B/GR receiver, the T217A/GR transmitter and the SMD-129A Modulator & Power Supply.

The one I have aboard ship has a 110 volt input and I think covers 200-400 mhz or so. Beautiful looking piece of Collins gear but it is an oddball in the ship's radio room since it is the only piece of gear on the entire ship that is Khaki in color!. I believe the GR stands for Ground Radio and perhaps this

was acquired from the Army or Air Force.

Havn't dug into it as yet since I'm still working on the RBS, RBC,R390A and other equipment. Hope to have some making noise by opening in the spring.

Paul Bernhard W2TU  
W2TU@msn.com

-----  
Date: Tue, 25 Nov 1997 09:14:36 -0600  
From: mack@mails.imed.com (Ray Mack)  
To: boatanchors@sco.theporch.com, glowbugs@theporch.com  
Subject: Many Apologies  
Message-ID: <000550B9@mails.imed.com>

Many apologies for my last post. I looked in horror to see receipt of a personal message to Ken. It was meant as a personal reply and not to both groups. Again, apologies. I hate those radio buttons. They're always set the wrong way :<(

Ray Mack

-----  
Date: Tue, 25 Nov 1997 10:22:29 -0500  
From: John Russo <jprusso@acsu.buffalo.edu>  
To: boatanchors@theporch.com  
Subject: Crystals for AM operation  
Message-ID: <347AED35.AA4B8EDA@acsu.buffalo.edu>

Hi Gang....

Would like to order crystals for AM operation this winter.

I know I need 3880 kc 3885kc and 50.400mc .

What popular AM freqs will I need for 40 20 15 and 10 meters ??

Any suggestions as to a good supplier, I have JAN's phone number.

Thanks, John Russo      KF2JQ

-----  
Date: Tue, 25 Nov 97 09:32:49 -0500

From: "Joseph W. Pinner" <kc5ijjd@sprintmail.com>  
To: "Boatanchor 1" <boatanchors@theporch.com>  
Subject: Re: GRC-27A  
Message-ID: <199711251523.HAA24050@mailgate22>

> The one I have aboard ship has a 110 volt input and I think covers 200-400  
> mhz or so. Beautiful looking piece of Collins gear but it is an oddball in  
> the  
> ship's radio room since it is the only piece of gear on the entire ship that  
> is Khaki in color!. I believe the GR stands for Ground Radio and perhaps  
> this  
> was acquired from the Army or Air Force.

The GRC-27 was a Navy procured item.

I have the Navships on it.

73

Joseph W Pinner  
Lafayette, LA  
KC5IJD  
EMail: kc5ijjd@sprintmail.com

-----  
Date: Tue, 25 Nov 1997 07:47:15 -0800 (PST)  
From: Ken Gordon <keng@uidaho.edu>  
To: John Russo <jprusso@ACSU.BUFFALO.EDU>  
Cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: Crystals for AM operation  
Message-ID: <Pine.BSF.3.95.971125074524.22786G-100000@piobaire.mines.uidaho.edu>

> Hi Gang....  
>  
> Would like to order crystals for AM operation this winter.  
>  
> I know I need 3880 kc 3885kc and 50.400mc .  
>  
> What popular AM freqs will I need for 40 20 15 and 10 meters ??  
>  
> Any suggestions as to a good supplier, I have JAN's phone number.  
>  
> Thanks, John Russo      KF2JQ

C-W Crystals. He is a BA type, does an excellent job, and he is cheaper than JAN.



I don't have his address at the moment, but if it doesn't show up here by Thursday, I'll dig it out and post it. I am on my way to Seattle this morning.

Ken W7EKB

-----  
Date: Tue, 25 Nov 1997 09:50:09 -0600  
From: Laird Tom N <LairdTomN@JDCORP.deere.com>  
To: "'BA'" <boatanchors@theporch.com>  
Subject: SB200 'Lytic source?  
Message-ID: <0958DD57326BD011813300805FBE98DA021FE088@e90corp2.dx.deere.com>

I need a source for the HV Electrolytic's in a SB200 amp. They are rated 125uf at 450 volts. Think the Heath part number is 25-34.

Tom Laird WC9M  
Deere & Company  
LairdTomN@JD Corp.deere.com

-----  
Date: Tue, 25 Nov 1997 10:48:55 -0500  
From: "ROBERT W DOWNS, WA5CAB" <RWDowns\_WA5CAB@compuserve.com>  
To: BOATANCHORS <boatanchors@theporch.com>  
Subject: BLILEY MC7, AX2  
Message-ID: <199711251049\_MC2-2993-DD0D@compuserve.com>

Group,

While looking through a bunch of CR-1/U crystals, I came across some odd Bliley units, type MC7 and AX2. Anyone know what they go to? Anyone need them?

73, Robert W. Downs, WA5CAB  
RWDowns\_WA5CAB@compuserve.com  
Houston, TX

-----  
Date: Tue, 25 Nov 1997 16:26:04 UTC  
From: n5off@w5ddl.aara.org

To: boatanchors@theporch.com  
Subject: 390A Limiter Mod?  
Message-ID: <131637@w5ddl.aara.org>

Does anyone have handy that 390A limiter mod which allows limiter use without the normal distortion? I believe its just a resistor substitution.

Thanks  
Tom

-----  
Date: Tue, 25 Nov 1997 16:27:34 UTC  
From: n5off@w5ddl.aara.org  
To: boatanchors@theporch.com  
Subject: Rick Mish Street Address?  
Message-ID: <131639@w5ddl.aara.org>

Does anyone have Rick's shipping address?

All I have is the POB address.

Thanks

Tom

\*\*\* 390A Repro Nameplates Available \*\*\*

-----  
Date: Tue, 25 Nov 1997 11:27:12 -0500  
From: "Chuck O'Neal" <coneal@ultranet.com>  
To: "'Boatanchors - qth.net'" <boatanchors@qth.net>,  
      "'BOATANCHORS FREE POST'"  
Subject: WANTED: RME 4350 manual or copy  
Message-ID: <01BCF995.156F72C0@d80.b67.cmb.ma.ultra.net>

Anyone have a manual I can copy or buy a copy of?  
Or even an original!  
Thanks!  
73,  
Chuck...K1KW

-----  
Date: Tue, 25 Nov 1997 10:32:46 -0600 (CST)

From: Mike Maloney <ac5p@ionet.net>  
To: boatanchors@theporch.com  
Subject: Modifying the R-390A for SSB  
Message-ID: <199711251632.KAA04583@mail.ionet.net>

For R-390A owners,  
I was looking at an old CQ magazine for January 1968 and came upon an article by the subject title. It details in step-by-step fashion the conversion of the BF0 to a product detector and modifying the AGC for proper action for SSB voice reception. Looks to be a very worthwhile mod to make this beast a decent performer on SSB. I'd be glad to copy for anyone interested for just a business sized SASE to my mule mail adr below.

Mike ac5p  
PO Box 33  
Bartlesville,OK 74005

-----  
Date: 25 Nov 97 08:36:00 -0800  
From: BRICKEY\_PETER@Tandem.COM  
To: boatanchors@theporch.com  
Subject: RE: CW Crystals  
Message-ID: <199711250838.AA25913@POST.TANDEM.COM>

Hi;

I have been trying to contact John for the past several months and have not received any response. Does anyone know if he is still in business? I have been using phxtal@nava-link.net.

I need some crystals for my Hallicrafters HT-4 transmitter (it does not use the BC-610 TUs) - as it has a 5 pin (tube) socket for the crystal and a Biley type CF-1 fits nicely. I also need a 467KC crystal in a FT-243 holder. Does anybody know of a supplier that can supply either one?

73's Peter

-----  
Date: Tue, 25 Nov 1997 11:35:50 -0500  
From: "ROBERT W DOWNS, WA5CAB" <RWDowns\_WA5CAB@compuserve.com>  
To: "INTERNET:boatanchors@theporch.com" <boatanchors@theporch.com>  
Subject: Re: Just gettin' on board/AM-3007/URT BA1794

Message-ID: <199711251136\_MC2-2997-ECD6@compuserve.com>

Jon Schmidt wrote:

> I have recently been given a piece of gov't equipment with the  
> following description. It is an amplifier with model number AM3007/URT=  
,

Welcome aboard, Jon. What you have is the 100W amplifier and power supply  
for the AN/URC-35 or AN/URC-35A, a nice rig built by Bendix (R-1051  
family). If it were an AM-3007A/URT I'd try to talk you out of it (I have  
an AN/URC-35B), but someone will surely want it. BTW, gang, I need the  
stacking plates or preferably the complete MT-3761 shock mount, the C-36-  
97  
remote control, and the J-2940 interconnection box for mine.

73, Robert W. Downs, WA5CAB  
RWDowns\_WA5CAB@compuserve.com  
Houston, TX

-----  
Date: Tue, 25 Nov 1997 08:50:59 -0800 (PST)  
From: Stanley Wilson <microres@crl.com>  
To: boatanchors@theporch.com  
Cc: qrp-1@Lehigh.Edu  
Subject: FS: Vibroplex Book  
Message-ID: <Pine.SUN.3.91.971125084436.3043A-100000@crl2.crl.com>

I have listed "The Vibroplex Co" by William Holly on the eBay auction.

I listed it there since the last time I post a For Sale item on the list  
I had offers to buy before I got my own copy of the FS e-mail from the list.

This did not seem fair to the group and those who got the digest, etc.  
Also I do not like taking e-mail and then having to decide who out of a  
group gets an item. SO will try the auction this time.

"The Vibroplex CO" by William Holly. My copy is autograph by him. It is  
the First Edition and only 1900 copies were printed. Book is in Mint  
condition. Contains History, pictures of bugs, and patents.

may be bid on at eBay <http://cayman.ebay2.com/aw/>  
listed under Radio  
Item Number is 2394940 (you can use there search engine for Nr.)

It will be posted for 5 days. Highest bid over \$35 gets it plus \$3 shipping.

Stan AK0B  
microres@crl.com  
-73-

-----  
Date: Tue, 25 Nov 1997 11:58:15 -0500 (EST)  
From: William Donzelli <william@ans.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: GRC-27A  
Message-ID: <Pine.GS0.3.96.971125115532.9499D-100000@titan.purch.ans.net>

> The one I have aboard ship has a 110 volt input and I think covers 200-400  
> mhz or so. Beautiful looking piece of Collins gear but it is an oddball in the  
> ship's radio room since it is the only piece of gear on the entire ship that  
> is Khaki in color!. I believe the GR stands for Ground Radio and perhaps this  
> was acquired from the Army or Air Force.

These things were also used by the Air Force, at radar sites. The things frequently broke (I have been told they are real dogs) when the operators would abuse the channel selector. Looking at the innards of the receiver (I have a non-Collins built R-278/GR), once broken...

William Donzelli  
william@ans.net

-----  
Date: Tue, 25 Nov 1997 12:04:32 -0500  
From: "Roecker, Greg" <greg.roecker@lmco.com>  
To: Old Tube Radios <boatanchors@theporch.com>, LairdTomN@JDCORP.deere.com  
Subject: RE: SB200 'Lytic source?  
Message-ID: <716897408033D111BA8C0000F805CC842E120F@emss04m07.ems.lmco.com>

Hi Tom,

I just gave my SB-200 a new lease on life with parts from Harbach Electronics.

The web site is: [www.harbach.com/harpg2.htm](http://www.harbach.com/harpg2.htm)

I have no interest in the company, just a satisfied customer . . . the service was fast and the parts are very high quality . . . as well as

the boards are professionally built . . .

My SB-200 is MUCH happier!!!

73,

Greg Roecker / N40SJ

-----  
Greg Roecker / N40SJ  
100 Chickering Parkway  
Roswell, Georgia  
E-mail: greg.roecker@lmco.com  
Phone: 770.552.0640

> -----  
> From: Laird Tom N[SMTP:LairdTomN@JDCORP.deere.com]  
> Reply To: LairdTomN@JDCORP.deere.com  
> Sent: Tuesday, November 25, 1997 10:50 AM  
> To: Old Tube Radios  
> Subject: SB200 'Lytic source?  
>  
> I need a source for the HV Electrolytic's in a SB200 amp. They  
> are rated 125uf at 450 volts. Think the Heath part number is 25-34.  
>  
> Tom Laird WC9M  
> Deere & Company  
> LairdTomN@JDCorp.deere.com  
>

-----  
Date: Tue, 25 Nov 1997 10:21:22 -0700  
From: Ken\_Warren@beavton.k12.or.us (Ken Warren)  
To: boatanchors@theporch.com  
Subject: Re: 217-T - GRC-27  
Message-ID: <971829246.61396229@beavton.k12.or.us>

All of the AN/GRC-27's I have worked on were in a single rack with the receiver, transmitter, and modulator/power supply making up the 3 main items in the rack. The rack also contained a slide out drawer and an audio patch panel. The power supply was set for 115VAC 60 HZ 1PHASE, they could be switched to 230 also. My recollection of the AN/GRC-32 comes from a visit to a neighbor comm group at Mt. Home AFB back in the late 60's. As I recall they had a truck mounted hut containing 2 or 3 GRC-27's, 2 AB-155 tower sets and a rack of C-1335 & C-1336

remote control units. I thought they were used for radio direction finding and ground to air comm. It has been a long time and I only had a short talk with the operators but I thought they told me it was a AN/GRC-32. I could easily have gotten this mixed up as this was a few years back. Does anyone else remember any details on the GRC-32? If I'm out of phase, can anyone identify the set from my description that I did see? My main expertise back then was with the AN/TRC-24 and AN/GRC-129. (Dual AFSC)

Ken Warren K7RPX

Ken\_Warren@beavton.k12.or.us  
KenwK7RPX@worldnet.att.net

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Beaverton School District  
Beaverton, Oregon

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Date: 25 Nov 1997 11:25:31 -0600  
From: TIMOTHY.P.HAAKE@monsanto.com  
To: boatanchors@sco.theporch.com  
Subject: RE:Winter Projects FS  
Message-ID: <"1125173237-RE:Winter Projects FS"@MHS>

Group,

Thanks for the overwhelming response on the FS list. Everything has been spoken for at the moment.

I wished I had a hundred SBE-34's and alot more modulation transformers! It's good to see there are builders out there yet. If any of the deals fall through I'll let the next person in line know.

I'll have more in another mail just as soon as I can get into the storage.

Tim WA0TSY  
Timothy.P.Haake@monsanto.com

-----  
Date: Tue, 25 Nov 1997 12:33:44 -0500  
From: "Roecker, Greg" <greg.roecker@lmco.com>  
To: boatanchors@theporch.com

Subject: FW: SB200 'Lytic source?

Message-ID: <716897408033D111BA8C0000F805CC842E1223@emss04m07.ems.lmco.com>

> Hi Tom,  
>  
> I just gave my SB-200 a new lease on life with parts from Harbach  
> Electronics.  
>  
> The web site is: [www.harbach.com/harpg2.htm](http://www.harbach.com/harpg2.htm)  
>  
> I have no interest in the company, just a satisfied customer . . . the  
> service was fast and the parts are very high quality . . . as well as  
> the boards are professionally built . . .  
>  
> My SB-200 is MUCH happier!!!  
>  
> 73,  
>  
> Greg Roecker / N40SJ  
>  
> -----  
> Greg Roecker / N40SJ  
> 100 Chickering Parkway  
> Roswell, Georgia  
> E-mail: [greg.roecker@lmco.com](mailto:greg.roecker@lmco.com)  
> Phone: 770.552.0640  
>  
>  
>  
>  
>  
>

-----  
Date: Tue, 25 Nov 1997 12:43:10 -0500

From: [avidov@juno.com](mailto:avidov@juno.com) (avi aben)

To: [baswaplist@foothill.net](mailto:baswaplist@foothill.net)

Cc: [boatanchors@theporch.com](mailto:boatanchors@theporch.com)

Subject: Military Mikes

Message-ID: <19971125.124851.3238.0.avidov@juno.com>

The following G.I. mikes are for sale at fair market prices:

M-32A/AIC Oxygen Mask Micr. NOS

M-32B/AIC " " " "



M-34/AIC      Hand Held - Clean  
T-32            Upright Telephone style  
T-36            Hand Held p/o PA-4 PA system - Used

I need to narrow down my collectibles to a reasonable level and these are the first items to be offered. Would like to wind this up by Sunday, Dec. 7th and the best offers get their choices. In event of ties, we'll flip and may the best gal/guy win.

p.s. Only the T-32 weighs much so fgt is no big deal.    73

-----  
Date: Tue, 25 Nov 1997 11:17:45 -0400  
From: laffitte@prtc.net (laffitte)  
To: boatanchors@theporch.com  
Subject: PACO R/C meter  
Message-ID: <347AEC19.5004@prtc.net>

Hi BAers:

I was able to obtain some information on the PACO resistance cap meter for which I am very grateful. Still I need a manual or operational instructions. This is a tuning eye type meter and I think Heath had something similar. It has a control labelled as power factor, another for voltage, and a res/cap range knob. It seems to be working. Someone with something similar that can help? I want this for my BA test bench that now includes an OS8, Knight tube audio osc, URM 25 SG (in transit), ME6 D/U and the PACO.

TNX and best 73s  
Guido KP4FAR  
BA collector in the tropics

-----  
Date: Tue, 25 Nov 1997 13:22:15 -0400  
From: laffitte@prtc.net (laffitte)  
To: boatanchors@theporch.com  
Subject: Re: PACO R/C meter  
Message-ID: <347B0947.377F@prtc.net>

Guido E. Santacana wrote:

>  
> Hi BAers:  
>  
> I was able to obtain some information on the PACO resistance cap meter  
> for which I am very grateful. Still I need a manual or operational

> instructions. This is a tuning eye type meter and I think Heath had  
> something similar. It has a control labelled as power factor, another  
> for voltage, and a res/cap range knob. It seems to be working. Someone  
> with something similar that can help? I want this for my BA test bench  
> that now includes an OS8, Knight tube audio osc, URM 25 SG (in  
> transit), ME6 D/U and the PACO.  
>  
> TNX and best 73s  
> Guido KP4FAR  
> BA collector in the tropics

Please excuse me if this message has been repeated.

-----  
Date: Tue, 25 Nov 1997 10:03:30 -0800  
From: rcmorris@mars.ark.com (ray)  
To: boatanchors@theporch.com  
Subject: 01' rotor parts  
Message-ID: <199711251803.KAA15075@ark.com>

Greetings !

I fell into possession of a CDE Ham II rusty rotor. After taking one and one half pounds of rust and corrosion out of it, I need a part. Does anyone know if Cornell-Dubilier Electronics of North Carolina is still operating. I have the manual and the part No. or wish of wishes - does anyone have a junker for sale??

Read all the postings with interest and have picked up a wealth of experience from them.

Regards. Ray. VE7FBJ. rcmorris@mars.ark.com

-----  
Date: Tue, 25 Nov 1997 12:39:19 -0600 (CST)  
From: Spencer Petri <spetri@e-tex.com>  
To: boatanchors@theporch.com  
Subject: Re: GRC-27A  
Message-ID: <199711251839.MAA14144@sco.theporch.com>

Yep, these were at AC&W and Radar Squadrons. Had a ten channel remote selector, if I remember correctly. It's been 36 years but I actually had my hands in some TXs and RXs. The RXs and TXs were in seperate buildings seperated by a couple hundred yards.

73 de Pete WA5JCI EM21 "the future will be better tomorrow"

.....  
6 Mtr -- WAS #490, WAC CW, DXCC/91 Countries, VUCC #361/626 Grids  
.....  
2 Mtr -- 36 States -- VUCC #346/183 Grids

-----  
Date: Tue, 25 Nov 1997 14:51:22 -0400  
From: laffitte@prtc.net (laffitte)  
To: boatanchors@theporch.com  
Subject: HQ170A-VHF/FS  
Message-ID: <347B1E2A.23B6@prtc.net>

Hi Gang:

This was a tough decision to make but I need the space. This HQ170A-VHF has the Telechron clock with the 24 hr format and working. The radio is working very well. It is \$180.00 plus shipping. You may contact me for more details. I know I'll regret this :>).

TNX and best 73s  
Guido KP4FAR

-----  
Date: Tue, 25 Nov 1997 12:53:37 -0600 (CST)  
From: arc5@ix.netcom.com  
To: baswaplist@foothill.net  
Subject: FS: CE-10B SSB Exciter  
Message-ID: <19971125125311341@>

Central Electronics CE-10B Exciter on Ebay.

<http://komodo.ebay2.com/aw-cgi/eBayISAPI.dll?ViewItem&item=2398135>

Bid started at \$20. Auction runs 5 days.

73 DE Dave Stinson AB5S  
arc5@ix.netcom.com

-----

Date: Tue, 25 Nov 1997 13:24:42 -0600  
From: "Grant Youngman" <nq5t@gte.net>  
To: boatanchors@theporch.com  
Subject: Johnson Transmitter parts  
Message-ID: <199711251930.NAA18589@smtp1.mailsvcs.net>

Gang ...

I will refrain from editorializing on the subject of eBay and boatanchors and boatanchors parts .....

I stumbled across a couple of Johnson transmitter parts over there that someone may have a need of. So I'm posting the URL's here. These aren't my eBay items, so don't grumble in my direction :-(

First, a Ranger (?) or other Viking rig's crystal cover at <http://komodo.ebay2.com/aw-cgi/eBayISAPI.dll?ViewItem&item=2316141>

and second, a meter with Viking logo that looks like it might belong to a 500 (?) ... its scales are 0-500 and 0-25 which smacks a lot like a plate/grid meter from a 4-250/4-400 transmitter. It is at: <http://komodo.ebay2.com/aw-cgi/eBayISAPI.dll?ViewItem&item=2361300>

Grant

Grant Youngman -- NQ5T  
nq5t@gte.net  
[HTTP://home1.gte.net/nq5t](http://home1.gte.net/nq5t)  
Double Oak, TX (near Dallas)

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Date: Tue, 25 Nov 1997 15:02:41 -0500  
From: howellh@winthrop.edu  
To: boatanchors@theporch.com  
Subject: Speech processor for a Collins 32S3A  
Message-ID: <97112515024182@winthrop.edu>

WINTHROP UNIVERSITY

Electronic Mail Message

Date: 25-Nov-1997 03:00pm EST

From: Haney Howell  
HOWELLH  
Dept: Mass Communication  
Tel No: 323-4534

T0: Remote Addressee ( \_smtp%"jhoma@cetlink.net" )  
T0: Remote Addressee ( \_smtp%"boatanchors@theporch.com" )

Subject: Speech processor for a Collins 32S3A

Dennis Brothers tells me that there is a plug-in speech processor out there for the 32S3A. I'd like to find one if possible. It's an aftermarket item, not Collins. B&W maybe?

Haney k2xn <howellh@winthrop.edu>

-----  
Date: Tue, 25 Nov 1997 21:05:35 +0100  
From: nicola priano <nipriano@mbox.vol.it>  
To: boatanchors@theporch.com  
Subject: 6C10 compactron  
Message-ID: <199711252005.0AA16230@sco.theporch.com>

Hi everybody,

I'm looking for the specs of the 6C10 and 6J11 compactron .  
They are on a SB610 Heathkit monitor I would like to put back to work.  
I would like to test them before buying new ones .  
In any case, are these compactrons still available?.  
Thanks and 73  
Nick

-----  
Date: Tue, 25 Nov 1997 14:54:27 -0600 (CST)  
From: Sheldon Wheaton <swheaton@sky.net>  
To: BA List <boatanchors@sco.theporch.com>  
Subject: Motorola ET-58-A module cheap/free  
Message-ID: <Pine.GS0.3.96.971125145307.10019C-100000@sky.net>

I have a Motorola VHF transmitter chassis, labeled ET-58-A

It measures about 15 x 3.5 x 5 inches and has a 5894 final tube, a couple of other driver tubes, and a pc board with "sand-state" stuff on it. I was just going to yank the tubes and a couple of other parts, but I thought I

should check to see if it is something someone would want for a spare.

\$7 plus shipping if you can use it, or free for shipping without the tube.

Best story wins in case of a tie.

73,  
Sheldon KC0CW

-----  
Date: Tue, 25 Nov 1997 14:59:04 -0600 (CST)  
From: Sheldon Wheaton <swheaton@sky.net>  
To: BA List <boatanchors@sco.theporch.com>  
Subject: What's a Collins KWT-6 & CV-731/URC?  
Message-ID: <Pine.GS0.3.96.971125145440.10019D-100000@sky.net>

I have a line on some equipment, but not sure what it is:

Collins KWT-6 transmitter (?)  
CV-731/URC      apparently a converter of some sort  
54Q1      frequeuncy comparator  
153H      (no idea)  
426A-1      (no idea)  
42981      power supply  
786E-1      (no idea)

I've talked to a fellow on the phone who has all of this stuff, and about all he can tell me is that it is military stuff. Any help? Too new?

73,  
Sheldon KC0CW

-----  
Date: Tue, 25 Nov 1997 16:01:27 -0500 (EST)  
From: MNHopkins@aol.com  
To: KQ4BY@ix.netcom.com  
Cc: Boatanchors@theporch.com  
Subject: Sidewinders remembered  
Message-ID: <971125160127\_1638701079@mrin47>

A Sidewinder 900A is the 2-Meter version of the Gonset Company's 20W SSB/CW/AM transceiver offered in the early 1960s. They are smallish at 9x5x9 inches but a power supply of about the same size bolts on the back. Final is a 6360.

Have I seen one? Yes, and if memory serves the 900A, the two meter, has blue lettering while the 910A, 6M version is lettered in red. I saw a 6M one last week in the shop of a semi retired technician friend. He wanted a diagram and I sent him the whole manual as I had one a few years ago. I had no complaint against it save that it was SSB and I am not.

73 de ab5L, michael in dallas, student of Tecraft and International (ICM) ham products and mementoes of Six Meters' Golden Age: 1957-58

Michael Hopkins

Box 226841

Dallas, TX 75222 MNHopkins@AOL.com

-----  
Date: Tue, 25 Nov 1997 14:10:57 -0800  
From: "W6WUH Larry" <rau@wco.com>  
To: "Allen Tucholski" <allent@en.com>  
Cc: "boatanchors" <boatanchors@theporch.com>  
Subject: Re: Viking 2 audio More  
Message-ID: <199711252211.0AA23601@shell.wco.com>

ok allen.. i re-read the chart in handbook and the stock viking 2 capacitor values ARE the standard values for communications quality eg ~ 300 - 3000 cycles...maybe 22 uf is as far as you should go... and .01 perhaps .015. in any case capacitor value changes of 10-15 % are no changes at all...

Do take a closer look at screen bypass... and read the chapter about negative feed back...it reduces gain but it sure cleans up distortion...they ( arrl section on audio amps and modulators 1967) dislike pentode drivers.. so read the triode connection part...as this can still give you all the gain you want with none of the distortion...

so that would be what i would look into: triode connecting the 6au6 driver and then adding a little negative feedback from a simple two resistor voltage divider...

but as long as that interstage transformer saturates all is for naught.. so get a better one !

Larry

-----  
Date: Tue, 25 Nov 1997 18:38:51 -0500 (EST)

From: "David L. Thompson" <thompson@mindspring.com>  
To: boatanchors@theporch.com  
Subject: Re: Speech processor for a Collins 32S3A  
Message-ID: <1.5.4.16.19971125193943.385f4c90@pop.mindspring.com>

howellh@winthrop.edu wrote:

>Subject: Speech processor for a Collins 32S3A

>

>Dennis Brothers tells me that there is a plug-in speech processor out there  
for >the 32S3A. I'd like to find one if possible. It's an aftermarket  
item, not >Collins. B&W maybe?

>

>Haney k2xn <howellh@winthrop.edu>

>

Haney,

The processor was made by Dx Engineering (not to be confused with the  
current company in the antenna biz.). The made a model for the 32S, KWM2,  
and Drake T4X series. I loaned a Drake line to Jim W4QO with the Drake version.

Used to be popular, but hard to find now. He might look for a VOMAX SB-3P  
split band processor. I found this worked well with the Drake and later Ten  
Tec Triton IV. Probablty will work with most any phone rig.

Dave K4JRB

-----  
Date: Tue, 25 Nov 1997 17:46:30 -0600  
From: bdhall@ghg.net (Benjamin D. Hall)  
To: BoatAnchors@SCO.ThePorch.Com  
Subject: crystal cal  
Message-ID: <3.0.32.19971125174157.006ffd80@mailman.ghgcorp.com>

Greetings y'all!

I'm sure all of you remember how I was looking for a 100 kc xtal a few  
weeks ago... Got one in the mail from a listmember about a week ago, and  
built up a calibrator. Hooked it up to my trusty Eico P/S, and no good.  
No signal. Drats. Figured I'd goofed the wiring or something, so I set it  
aside.

Got another crystal in the mail today, and said, gosh, it is a long shot,  
but I wonder if the first crystal I got was bad? Sure enough, it was!  
Plugged in the xtal I received today and the calibrator works great. I'm  
still very thankful for that first crystal - it has taught me that xtals



sometimes do go bad! (plus it came with a very nice socket!) I've learned something, so I'm very happy... (I love learning things)

I guess I've officially entered the ranks of the hollow state homebrewers...

Thanks and 73 y'all!

-Ben

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Benjamin D. Hall, KD5BYB, Engine and radio collector / operator  
extraordinaire. Located in Houston, Texas, USA.

e-mail: BDHall@ghg.net web:<http://www.ghgcorp.com/bdhall>

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End of BOATANCHORS Digest 1795

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